

XP12

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Biofeedback sensor with capacitive transducer - has resilient dielectric, between conductors pref. of carbon impregnated silicone rubber and outer insulators

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93.06.30 93WO-US06178 N(AT AU BB BG CA CH CZ DE DK FI GB HU KP LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US) R(AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE)
A biofeedback sensor comprises an upper and a lower conductor (68, 74) secured to opposite sides of a dielectric member (72) and connected to circuitry to measure the capacitance between the conductors and compare it with a preset value entered into the circuitry, with an information output to the user.

The conductors are pref. of metal mesh or of carbon-impregnated silicone rubber, with all parts adhered together. Upper and lower insulators (66, 78) are pref. secured to the conductors, and the circuitry converts the capacitance to a voltage which is compared with a preset value. Output to the user may be via a buzzer. The dielectric is e.g. of open-cell polyurethane foam.

USE/ADVANTAGE - Further inducing a shoe having an open